

**ABSTRACT**

A process is provided for enhancing reproductive performance in a companion animal such as a dog or cat by feeding the animal a diet including omega-6 and omega-3 fatty acids in a ratio of from about 3.5:1 to about 12.5:1. When an animal is fed the diet of the present invention, the essential fatty acid status in the animal is maintained, and litter size is maintained through subsequent parities.